

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799377

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C15D010 EU6159035 6LBMDDWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

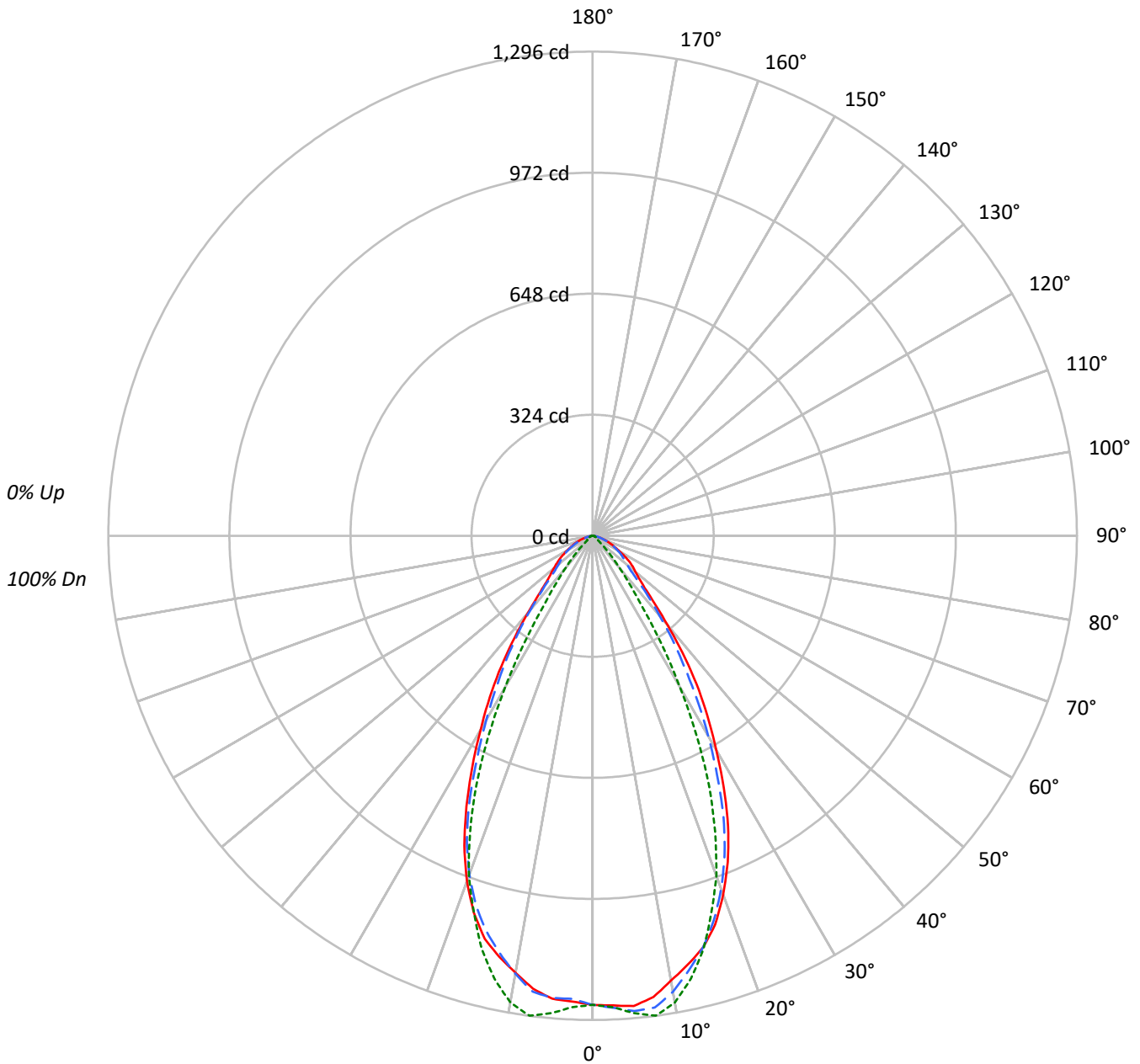
Lumens per Lamp: N/A
Luminaire Lumens: 1278.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P799377

CATALOG NUMBER: LD6C15D010 EU6159035 6LBMDDWH

Luminous Intensity Polar Plot





TEST NUMBER: P799377

CATALOG NUMBER: LD6C15D010 EU6159035 6LBMDDWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 94 | 93 | 91 | | | |
| 2 | 106 | 100 | 96 | 92 | 104 | 99 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | | | |
| 3 | 100 | 92 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 83 | 80 | 78 | 76 | | | |
| 4 | 94 | 85 | 79 | 74 | 92 | 84 | 78 | 74 | 82 | 77 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 70 | | | |
| 5 | 89 | 79 | 73 | 68 | 87 | 78 | 72 | 68 | 76 | 71 | 67 | 75 | 70 | 66 | 73 | 69 | 66 | 64 | | | |
| 6 | 84 | 74 | 67 | 62 | 82 | 73 | 67 | 62 | 71 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | | |
| 7 | 79 | 69 | 62 | 58 | 78 | 68 | 62 | 58 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 55 | | | |
| 8 | 75 | 65 | 58 | 54 | 74 | 64 | 58 | 54 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 51 | | | |
| 9 | 71 | 61 | 55 | 50 | 70 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 58 | 53 | 50 | 48 | | | |
| 10 | 68 | 57 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 47 | 55 | 50 | 47 | 45 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 68816 | 68816 | 68816 |
| 5° | 69535 | 70592 | 68446 |
| 10° | 67283 | 70590 | 66114 |
| 15° | 64756 | 65012 | 63383 |
| 20° | 59599 | 56472 | 57364 |
| 25° | 51868 | 44531 | 48317 |
| 30° | 41836 | 29587 | 37955 |
| 35° | 32431 | 15258 | 28503 |
| 40° | 22256 | 7908 | 19193 |
| 45° | 15250 | 3962 | 13467 |
| 50° | 12690 | 1689 | 11548 |
| 55° | 11412 | 1462 | 10313 |
| 60° | 9034 | 1403 | 8607 |
| 65° | 7459 | 1245 | 7368 |
| 70° | 6043 | 1122 | 6043 |
| 75° | 4469 | 1207 | 4723 |
| 80° | 2620 | 1010 | 2810 |
| 85° | 2013 | 1195 | 2013 |



TEST NUMBER: P799377

CATALOG NUMBER: LD6C15D010 EU6159035 6LBMDDWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 119.5 | 9.4 |
| 10°-20° | 313.6 | 24.5 |
| 20°-30° | 358.0 | 28.0 |
| 30°-40° | 237.4 | 18.6 |
| 40°-50° | 114.5 | 9.0 |
| 50°-60° | 70.4 | 5.5 |
| 60°-70° | 42.6 | 3.3 |
| 70°-80° | 17.9 | 1.4 |
| 80°-90° | 4.0 | 0.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 791.1 | 61.9 |
| 0°-40° | 1028.5 | 80.5 |
| 0°-60° | 1213.5 | 95.0 |
| 0°-90° | 1278.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1278.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1255 | 1255 | 1255 | 1255 | 1255 | |
| 5° | 1264 | 1277 | 1283 | 1242 | 1244 | 119 |
| 15° | 1141 | 1141 | 1146 | 1097 | 1117 | 318 |
| 25° | 858 | 829 | 736 | 779 | 799 | 389 |
| 35° | 485 | 427 | 228 | 398 | 426 | 300 |
| 45° | 197 | 172 | 51 | 161 | 174 | 160 |
| 55° | 119 | 97 | 15 | 97 | 108 | 105 |
| 65° | 58 | 55 | 10 | 52 | 57 | 58 |
| 75° | 21 | 21 | 6 | 20 | 22 | 23 |
| 85° | 3 | 4 | 2 | 3 | 3 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P799377

CATALOG NUMBER: LD6C15D010 EU6159035 6LBMDDWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1255.3 | 1255.3 | 1255.3 | 1255.3 | 1255.3 | 1255.3 | 1255.3 | 1255.3 | 1255.3 |
| 2.5° | 1258.5 | 1260.4 | 1264.3 | 1264.9 | 1263.0 | 1250.9 | 1240.6 | 1244.5 | 1247.7 |
| 5° | 1263.6 | 1267.5 | 1277.0 | 1286.0 | 1282.8 | 1262.4 | 1241.9 | 1241.3 | 1243.8 |
| 7.5° | 1245.1 | 1254.1 | 1273.9 | 1296.2 | 1295.6 | 1260.4 | 1230.4 | 1222.8 | 1222.8 |
| 10° | 1208.7 | 1217.0 | 1238.7 | 1268.7 | 1268.1 | 1224.0 | 1190.8 | 1187.0 | 1187.7 |
| 12.5° | 1176.2 | 1180.0 | 1190.8 | 1214.5 | 1214.5 | 1171.0 | 1145.5 | 1149.3 | 1154.4 |
| 15° | 1141.0 | 1143.6 | 1141.0 | 1148.7 | 1145.5 | 1109.8 | 1097.0 | 1109.1 | 1116.8 |
| 17.5° | 1091.2 | 1092.5 | 1079.1 | 1068.9 | 1056.8 | 1034.4 | 1037.6 | 1055.5 | 1057.4 |
| 20° | 1021.6 | 1029.9 | 1005.7 | 979.5 | 968.0 | 946.9 | 964.8 | 984.6 | 983.3 |
| 22.5° | 945.0 | 954.6 | 923.3 | 879.9 | 856.3 | 848.0 | 879.9 | 897.8 | 897.1 |
| 25° | 857.5 | 864.6 | 828.8 | 768.1 | 736.2 | 734.9 | 779.0 | 797.5 | 798.8 |
| 27.5° | 759.2 | 761.8 | 721.5 | 642.4 | 602.8 | 612.3 | 667.9 | 693.4 | 696.6 |
| 30° | 660.9 | 659.6 | 618.1 | 519.8 | 467.4 | 493.6 | 568.3 | 596.4 | 599.6 |
| 32.5° | 570.8 | 567.0 | 519.8 | 402.3 | 339.7 | 378.6 | 477.0 | 506.3 | 511.5 |
| 35° | 484.6 | 478.3 | 427.2 | 297.6 | 228.0 | 286.1 | 398.4 | 424.0 | 425.9 |
| 37.5° | 394.6 | 391.4 | 351.2 | 222.8 | 159.0 | 217.1 | 325.0 | 343.5 | 341.6 |
| 40° | 311.0 | 311.0 | 277.8 | 165.4 | 110.5 | 161.5 | 257.3 | 273.9 | 268.2 |
| 42.5° | 243.9 | 247.1 | 219.0 | 122.0 | 78.5 | 120.0 | 203.7 | 219.0 | 212.6 |
| 45° | 196.7 | 196.7 | 172.4 | 90.7 | 51.1 | 89.4 | 160.9 | 175.0 | 173.7 |
| 47.5° | 166.7 | 164.1 | 139.8 | 66.4 | 28.1 | 67.0 | 135.4 | 152.6 | 152.0 |
| 50° | 148.8 | 144.9 | 120.0 | 52.4 | 19.8 | 55.6 | 118.8 | 134.7 | 135.4 |
| 52.5° | 134.7 | 129.0 | 107.9 | 46.6 | 17.2 | 48.5 | 107.9 | 120.7 | 120.7 |
| 55° | 119.4 | 116.2 | 97.1 | 41.5 | 15.3 | 43.4 | 97.1 | 108.5 | 107.9 |
| 57.5° | 100.9 | 100.2 | 86.8 | 37.7 | 14.0 | 38.3 | 86.8 | 93.9 | 91.3 |
| 60° | 82.4 | 84.9 | 75.3 | 33.8 | 12.8 | 34.5 | 74.1 | 79.8 | 78.5 |
| 62.5° | 69.0 | 72.2 | 65.8 | 30.0 | 10.9 | 30.6 | 62.6 | 68.3 | 67.0 |
| 65° | 57.5 | 60.0 | 54.9 | 25.5 | 9.6 | 25.5 | 51.7 | 56.8 | 56.8 |
| 67.5° | 47.3 | 49.2 | 45.3 | 21.1 | 8.3 | 21.1 | 42.1 | 46.6 | 47.3 |
| 70° | 37.7 | 38.9 | 35.8 | 16.6 | 7.0 | 17.2 | 33.2 | 37.7 | 37.7 |
| 72.5° | 29.4 | 30.0 | 28.1 | 13.4 | 6.4 | 13.4 | 25.5 | 29.4 | 29.4 |
| 75° | 21.1 | 22.3 | 21.1 | 10.2 | 5.7 | 10.2 | 19.8 | 21.7 | 22.3 |
| 77.5° | 12.1 | 15.3 | 15.3 | 8.3 | 4.5 | 7.7 | 14.0 | 14.7 | 14.7 |
| 80° | 8.3 | 9.6 | 10.9 | 5.7 | 3.2 | 5.7 | 8.9 | 9.6 | 8.9 |
| 82.5° | 5.7 | 6.4 | 6.4 | 3.8 | 2.6 | 3.8 | 5.7 | 6.4 | 5.7 |
| 85° | 3.2 | 4.5 | 4.5 | 3.2 | 1.9 | 2.6 | 3.2 | 3.8 | 3.2 |
| 87.5° | 1.9 | 2.6 | 3.2 | 2.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)